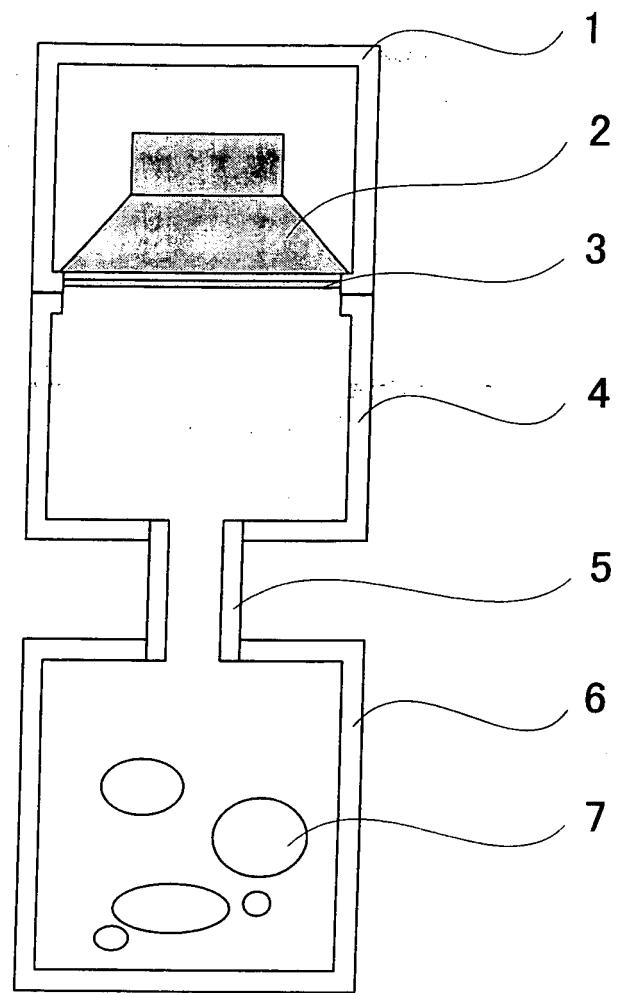
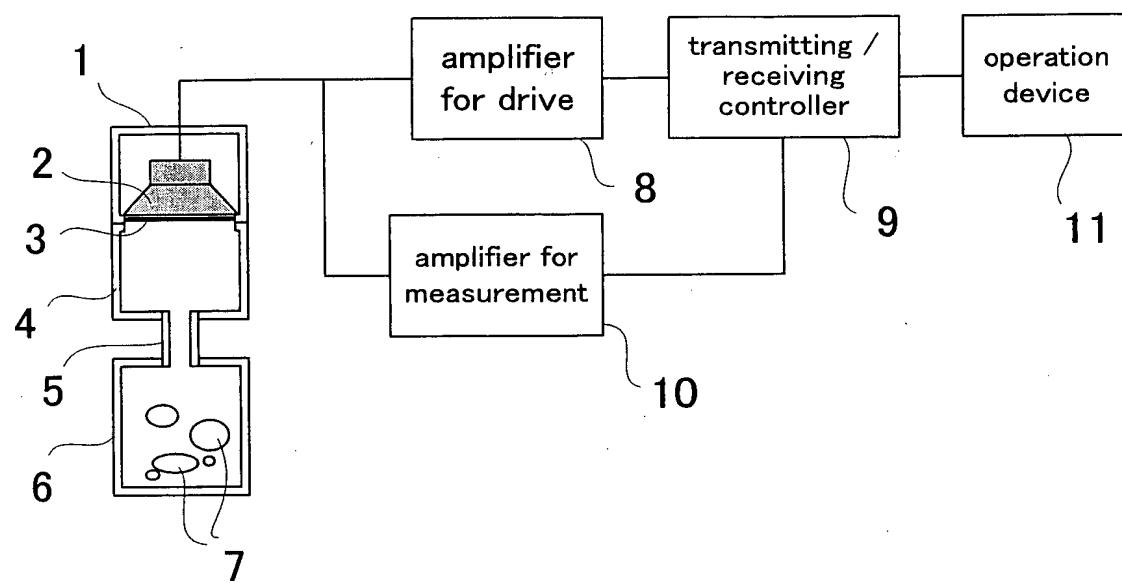


[FIG. 1]



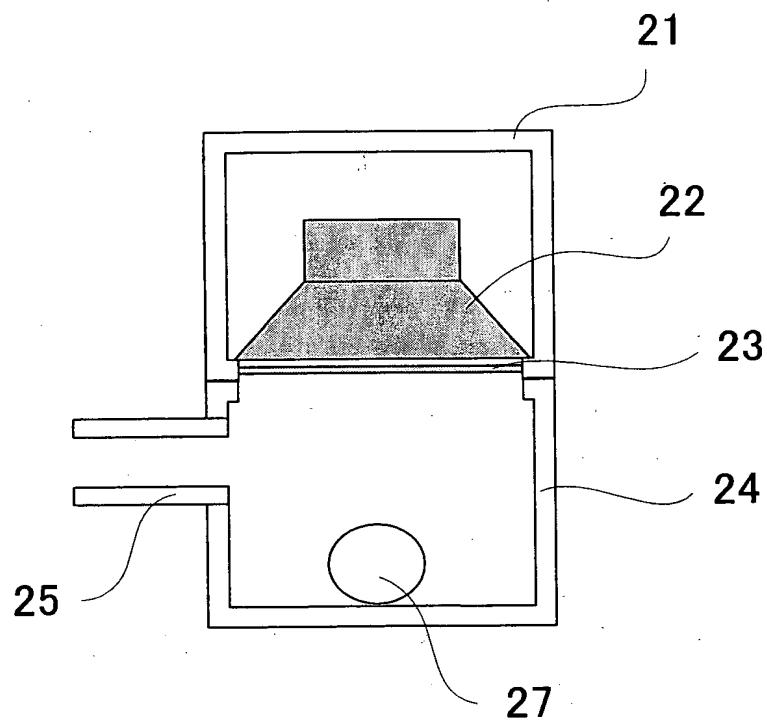
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[FIG. 2]

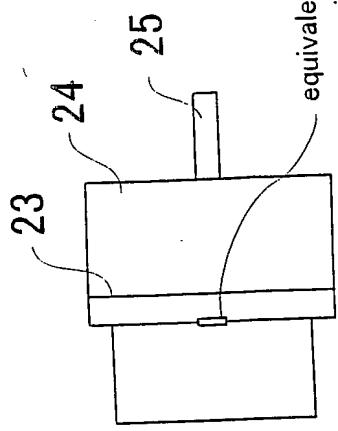
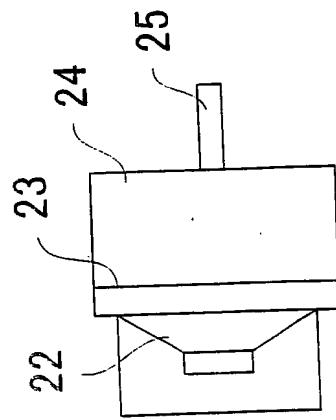


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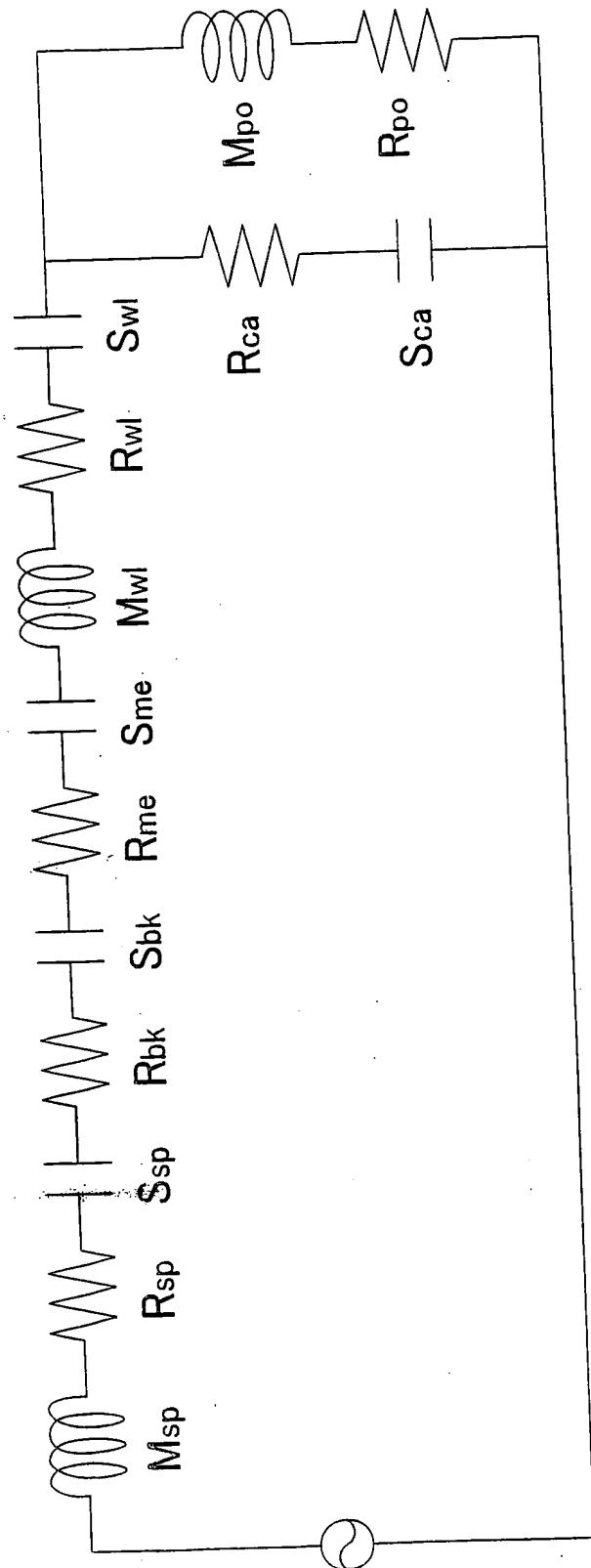
[FIG. 3]



[FIG. 4]

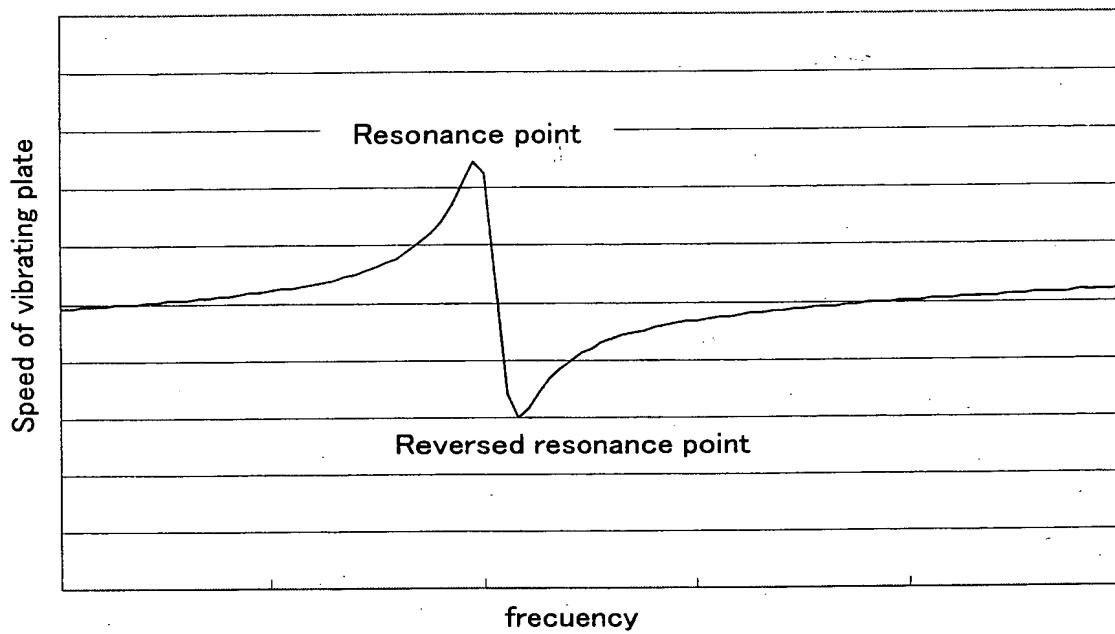


equivalent circuit based on vibrating plate



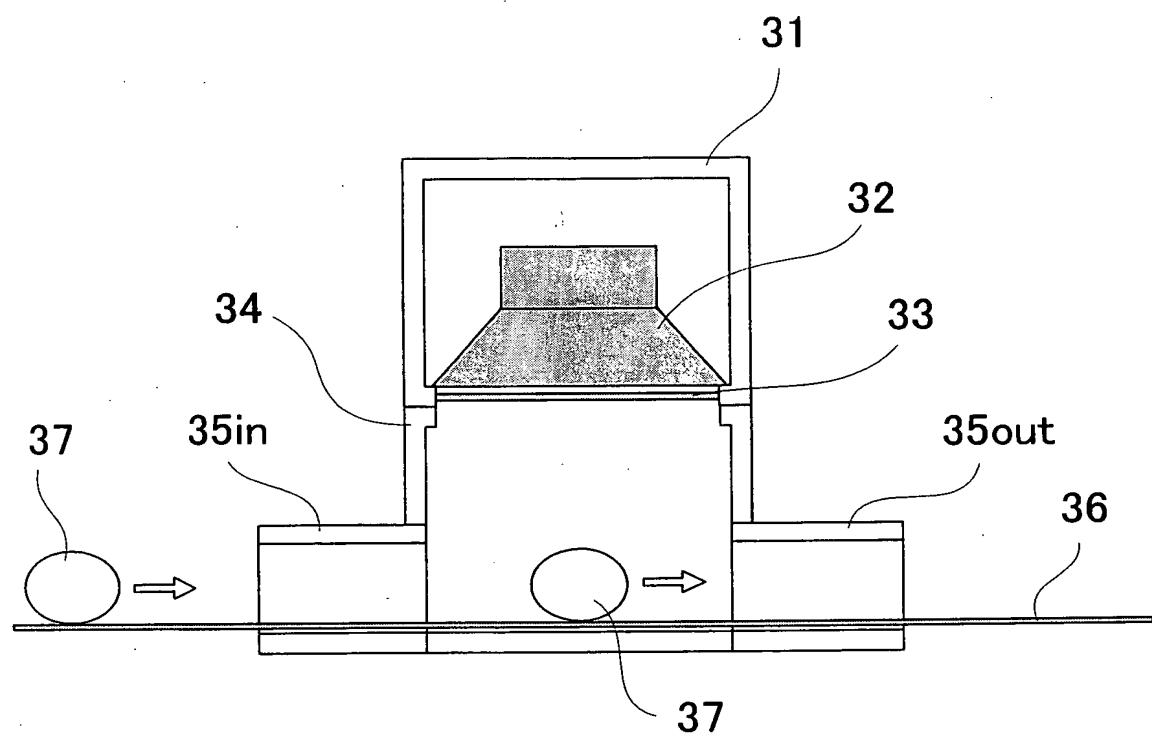
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[FIG. 5]

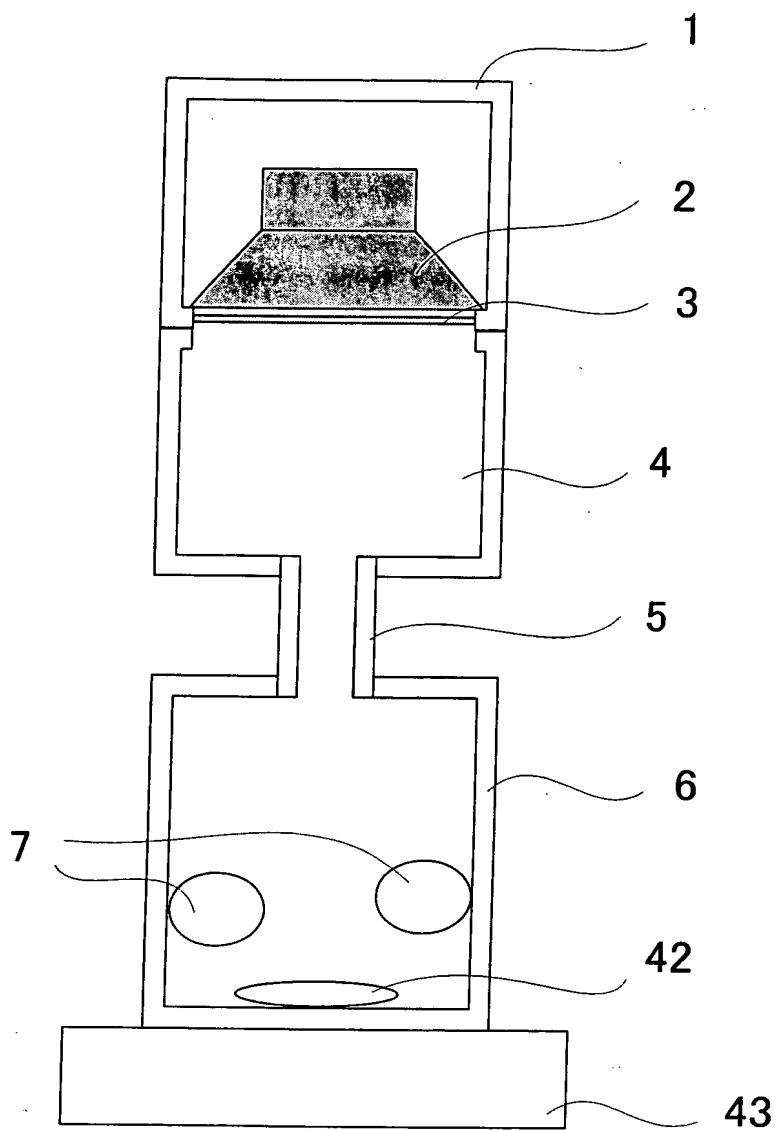


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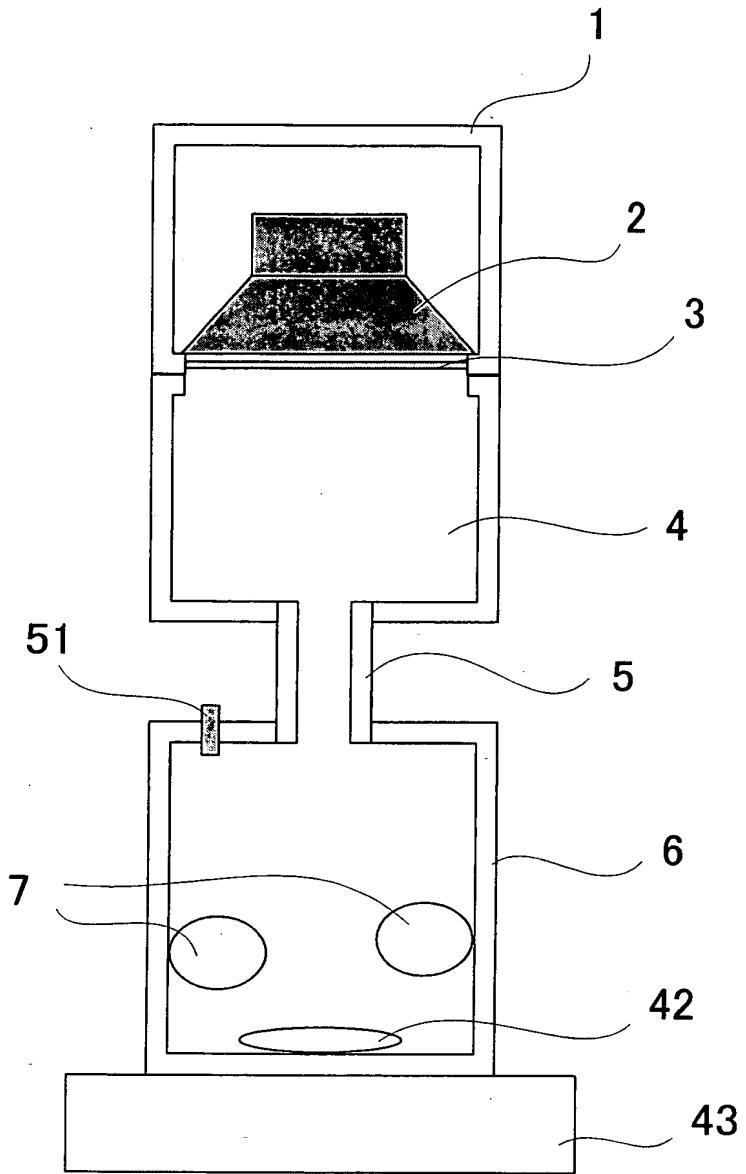
[FIG. 6]



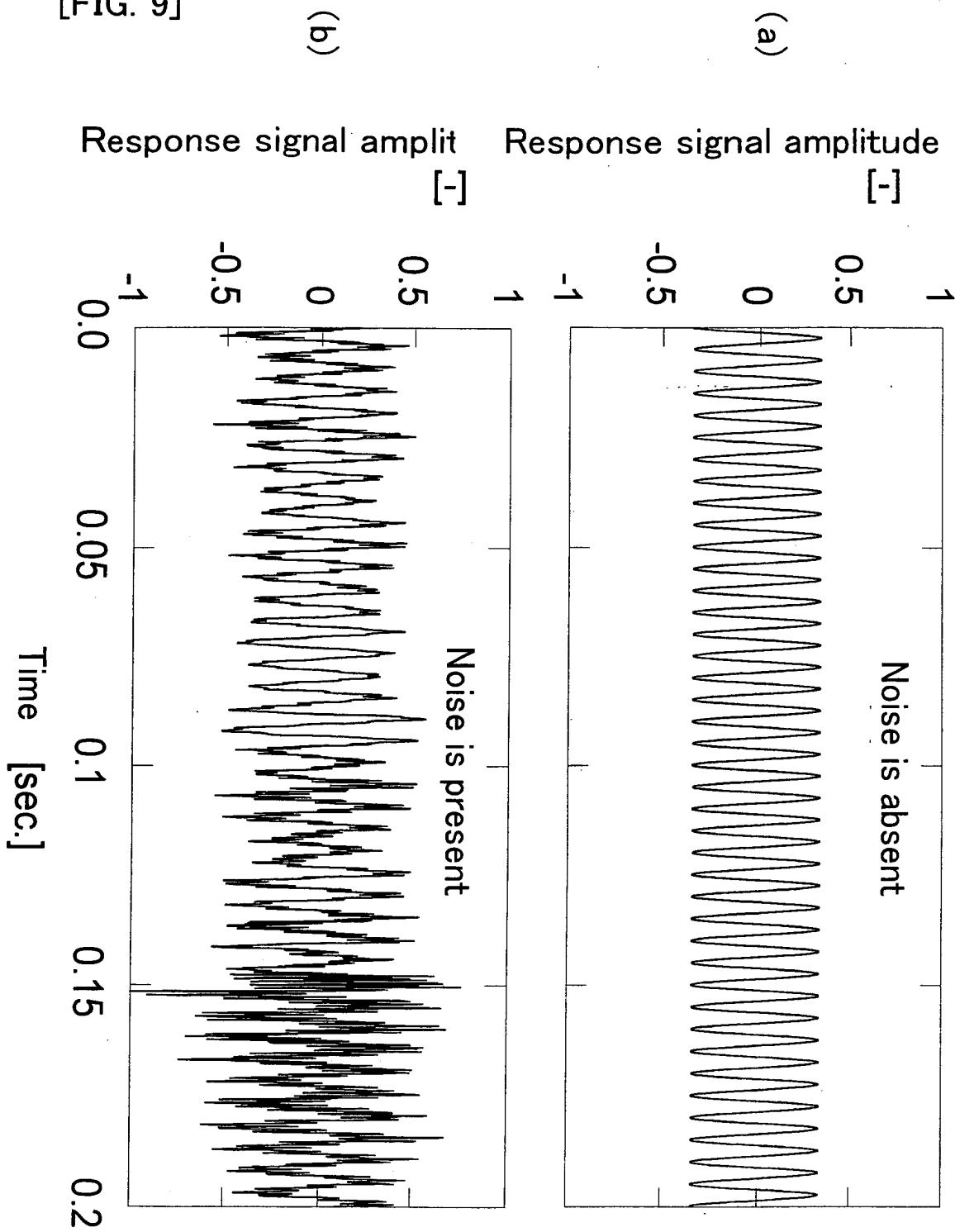
[FIG. 7]



[FIG. 8]

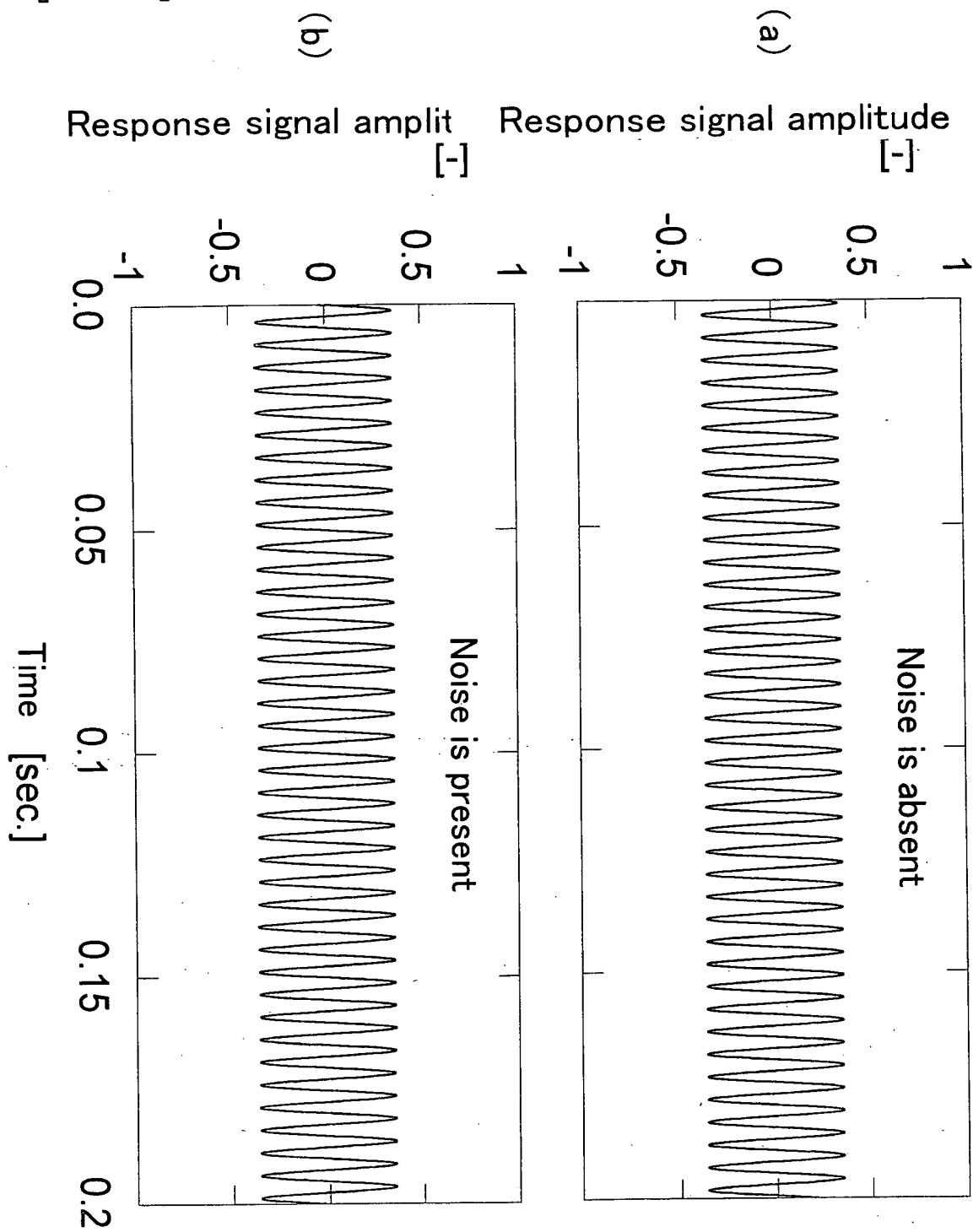


[FIG. 9]



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[FIG.10]

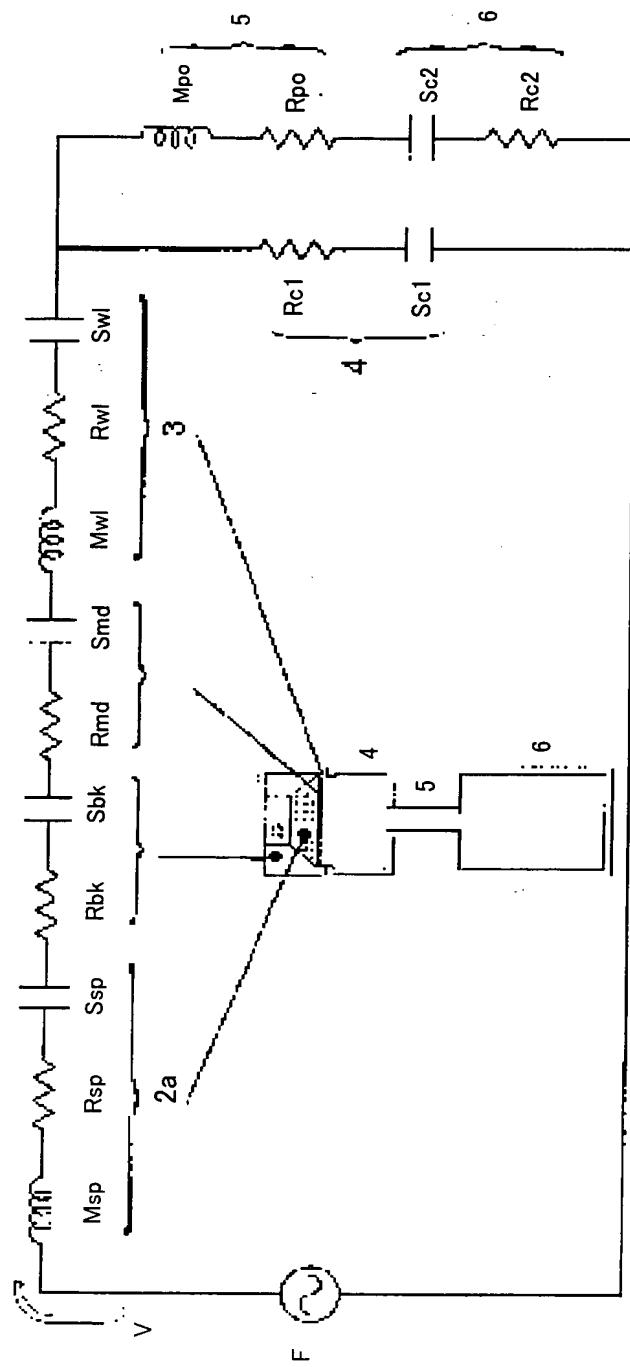


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[FIG.11]

	In case of microphone		In case of amplifier drived in constant current	
	No noise	With Noise	No noise	With Noise
Sample counts Varivable coefficient	100 0.00173	100 0.254	100 0.0238	100 0.0256

[FIG.12]



[FIG.13]

